

## Claims

1. An intruder detecting apparatus that gives an execution instruction for threatening processing to external threatening executing means capable of executing threatening processing for threatening an illegal intruder into a monitoring area, the intruder detecting apparatus characterized by comprising:

a Doppler sensor that detects a moving object;

communication means that is capable of communicating with the outside of the communication means;

authentication processing means that performs communication between the communication means and a portable terminal carried by a user on the basis of moving object presence/absence information indicating whether the moving object is detected by the Doppler sensor, reads out portable terminal side ID information capable of specifying the user registered in advance in the portable terminal, and collates intruder detecting apparatus side ID information capable of specifying the user registered in advance in the intruder detecting apparatus and the portable terminal side ID information to thereby identify whether the object is the user; and

control means that gives an execution instruction for the threatening processing to the threatening executing means on the basis of moving object identification information indicating whether the intruder detecting apparatus side ID

information and the portable terminal side ID information coincide with each other.

2. An intruder threatening apparatus, characterized by comprising:

threatening executing means that executes threatening processing for threatening an illegal intruder into a monitoring area; and

an intruder detecting apparatus according to claim 1.

3. An intruder threatening apparatus for a vehicle, characterized in that an intruder threatening apparatus according to claim 2 is mounted on a vehicle.

4. An intruder threatening apparatus for a vehicle according to claim 3, characterized by detecting, using the Doppler sensor, a relative movement caused between an object around a vehicle and the vehicle when a specific operation is applied to the vehicle by the user.

5. An intruder detecting apparatus that gives an execution instruction for threatening processing to external threatening executing means capable of executing threatening processing for threatening an illegal intruder into a monitoring area, the intruder detecting apparatus characterized by comprising:

a Doppler sensor that performs detection of a moving object and detection of an operation peculiar to a user capable of specifying the user;

authentication processing means that collates peculiar operation information indicating whether the Doppler sensor detects an operation peculiar to the user and intruder detecting apparatus side ID information capable of specifying the user registered in advance in the intruder detecting apparatus on the basis of moving object presence/absence information indicating whether a moving object is detected by the Doppler sensor to thereby identify whether the object is the user; and

control means that gives an execution instruction for the threatening processing to the threatening executing means on the basis of the moving object identification information indicating whether the peculiar operation information and the intruder detecting apparatus side ID information coincide with each other.

6. An intruder threatening apparatus, characterized by comprising:

threatening executing means that executes threatening processing for threatening an illegal intruder into a monitoring area; and

an intruder detecting apparatus according to claim 5.

7. An intruder threatening apparatus for a vehicle, characterized in that an intruder threatening apparatus according to claim 6 is mounted on a vehicle.

8. An intruder threatening apparatus for a vehicle according to claim 7, characterized by detecting, using the Doppler sensor, a relative movement caused between an object around a vehicle and the vehicle when a specific operation is applied to the vehicle by the user.